



enventives

# VEN-CAST™

## RECOMMENDATIONS

A Ven-Cast™/bentonite (Western and/or Southern) sand system is simple to control - insuring consistent high quality castings.

Ven-Cast™ is usually maintained at 1% to 2% by weight in the sand system. Because such a system is so efficient, special facing sands can often be eliminated. Most foundries will have no need for other additives such as cob wood flour, oat hulls, etc.

Maintenance cost of a Ven-Cast™ system is low and costeffective.

## GENERAL INFORMATION

Ven-Cast™ is designed as a premium foundry sand additive to improve sand flowability and to enhance physical characteristics of green sand molds.

Ven-Cast™ is a micronized, surfacemodified organic fiber derivative. It is composed of solid, elongated, fibrous particles which range in size from a few microns to 1 mm in length. Ven-Cast™ is prepared by chemical and mechanical degradation of selected organic fibers. The extremely fine fibers are chemically modified to produce a novel class of derivatives, having unique properties from most commercially available products.

The primary application of Ven-Cast™ is in sand systems used for casting aluminum, magnesium, brass and bronze alloys.

Ven-Cast™ provides the following benefits:

- improves flowability of the molding sand;
- increases dry strength;
- reduces water requirements;
- develops excellent pattern conformity;
- retains sharp edges of the mold;
- inhibits expansion defects;
- promotes cleaner sand peel;
- has negligible smoke and/or fumes;
- does not waterproof bentonites.

## PACKAGING

Ven-Cast™ is packaged in Twenty Five (25) lb multi-wall paper bags with an internal polyethylene liner.

## TYPICAL PROPERTIES

Chemical Nature	:	Micronized, surface modified cellulose fiber
Composition	:	Wide range of graded fibrous particle
Form	:	Finely divided powder
Color	:	light tan to brown
Bulk Density, lb/ft	:	compacted 24.3
	:	umcompacted 11.1
Loss on ignition @ 1800 °F	:	99%
Percent V.C.M @ 1200 °F	:	87%
Ash by weight	:	1%

## PRECAUTIONS

See the Safety Data Sheet for more detailed information concerning storage, handling, transportation, disposal and safety requirements.